

## APPENDIX A: Municipal Coordination and Feedback

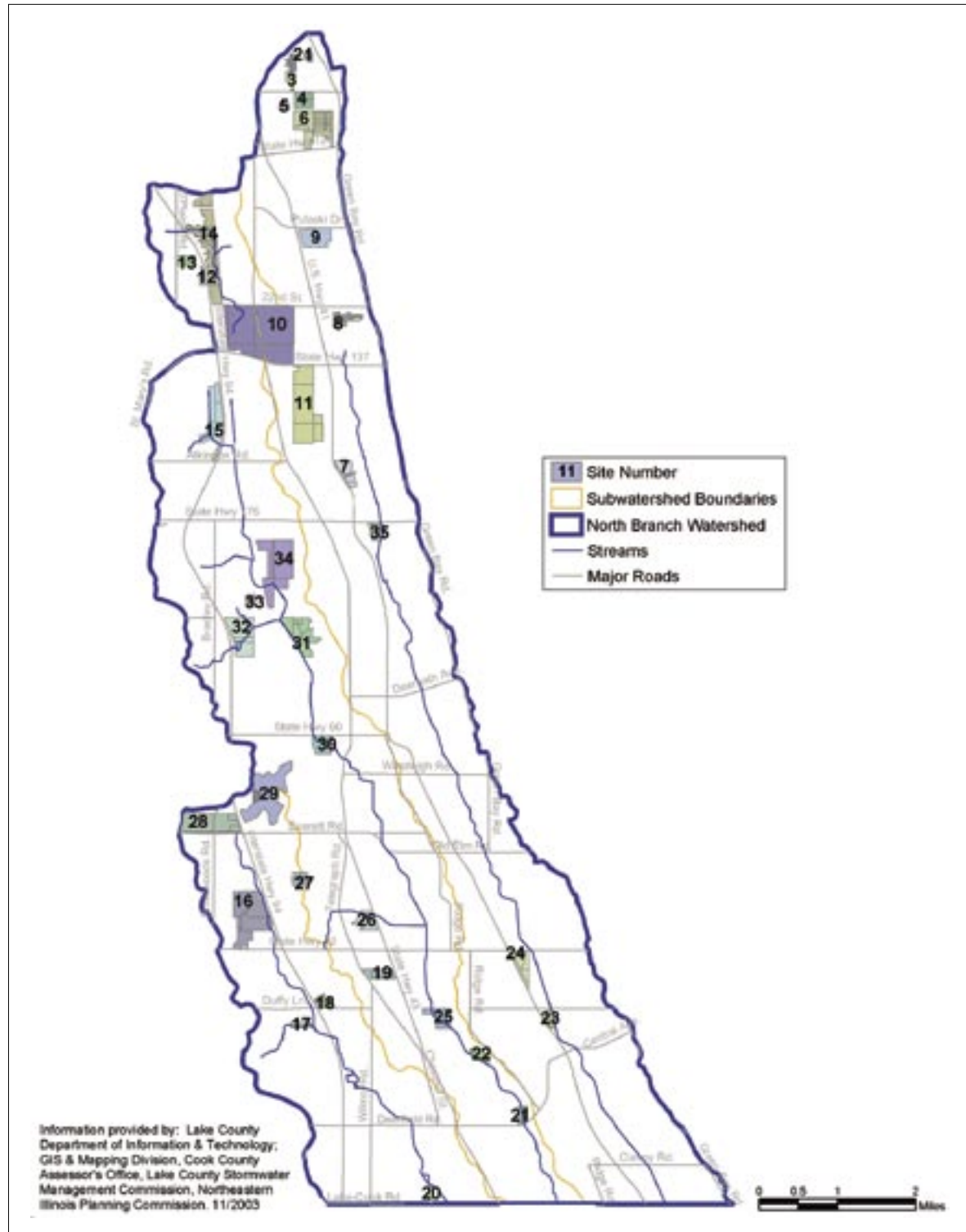
<b>Bannockburn</b>	<i>Completed</i>
8/15/02	Map mailed.
10/15/02	Maps given to FOCR for follow-up. Patty Werner followed up by meeting with the Village Manager Drew Irvin.
1/7/03	Patty Werner gave Futurity notes via phone, indicating development plans and some developed areas.
<b>Deerfield</b>	<i>Completed</i>
8/15/02	Map mailed.
10/15/02	Maps given to FOCR for follow-up.
12/10/02	Received map from Barbara Houpt. Incomplete — only marked current land use of parcels.
5/15/03	Additional map received by FOCR; will be forwarded to Futurity.
7/24/03	Map received with developed parcels marked and some corrections as far as unprotected/protected lands. Comments prepared by Barbara Little.
<b>Green Oaks</b>	<i>Completed</i>
8/15/02	Map mailed.
9/10/02	Stephen Christy follow-up with Village Administrator Elaine Palmer.
11/2/02	Village engineer will comment and return.
2/25/03	Village engineer died suddenly — village cannot give a response in the foreseeable future.
<b>Gurnee</b>	<i>Completed</i>
8/15/02	Map mailed.
11/7/02	Stephen Christy follow-up with Village Planner Tracy Velkover. She took a pass on a strong position on any parcel.
<b>Highland Park</b>	<i>Completed</i>
8/15/02	Map mailed.
10/15/02	Maps given to FOCR for follow-up. Patty Werner followed up with Highland Park.
1/22/03	Another map sent to Highland Park at their request.
3/12/03	Received map from Park District, indicating one property it wants protected and one property owned by the city and managed by the park district.
<b>Highwood</b>	<i>Completed</i>
8/15/02	Map mailed.
9/9/02	Received map from City. City marked 3 parcels no longer open. No plans for privately owned open parcels.
<b>Lake Bluff</b>	<i>Completed</i>
8/15/02	Map mailed to George Russell, Village Engineer.
11/21/02	Initial call to Russell for action.
2/3/03	Follow-up call by Stephen Christy reminding Russell of project.
3/20/03	Map received from Russell showing parcels developed or scheduled for development. No additional open space sought.
<b>Lake Forest</b>	<i>Completed</i>
8/15/02	Map mailed.
11/7/02	Stephen Christy follow-up with Development Coordinator Dan Reeves who pointed out parcels Lake Forest would like preserved. Reeves to confirm with higher-ups.
12/3/02	Received map from Dan Reeves confirming parcels Lake Forest would like to see protected.

<b>Lincolnshire</b>	<i>Completed</i>
8/15/02	Map mailed.
8/27/02	Received map from Public Works Assistant Lydia Scott showing future land use.
10/15/02	Maps given to FOCR for follow-up.
12/15/02	Received map showing a future nature preserve and residential development.
<b>Mettawa</b>	<i>Completed</i>
8/15/02	Map mailed.
11/24/02	Received map. Trustee Jack Tindall marking three properties Mettawa wants protected, and some new parcels already developed.
<b>North Chicago</b>	<i>Completed</i>
8/15/02	Map mailed.
10/15/02	Maps given to FOCR for follow-up.
12/12/02	Received map; Development Director Rob May marked properties they want protected on his map.
<b>Park City</b>	<i>Completed</i>
8/15/02	Map mailed.
11/14/02	Stephen Christy follow-up with Mayor Steve Pannell.
11/19/02	Received from Steve Pannell stated that they don't want to protect any open space.
<b>Riverwoods</b>	<i>Completed</i>
8/15/02	Map mailed.
10/15/02	Maps given to FOCR for follow-up.
1/27/03	Received map from Director of Community Services Russ Kralej. No development plans. No plans for open space.
<b>Waukegan</b>	<i>Completed</i>
8/15/02	Map mailed.
11/2/02	Stephen Christy follow-up with Director of Planning Russ Tomlin. Tomlin is busy this week. Will look at it next week.
1/15/03	Stephen Christy got no response, sent letter indicating the deadline and left follow-up voicemail.
3/15/03	Stephen Christy contacted Russ Tomlin, interesting and will try to work on it.
4/28/03	Follow-up call from Stephen Christy to Russ Tomlin; no response.
5/13/03	Follow-up call from Stephen Christy to Russ Tomlin stating final response date of 6/4.
7/10/03	No response; case closed.
<b>Deerfield</b>	<i>Completed</i>
12/4/02	Maps given to FOCR for community meetings.
12/9/03	FOCR sent maps to Barbara Little.
2/25/03	Stephen Christy follow-up with Barbara Little who provided materials and information on the Home Depot/Metra easement.
<b>Glencoe</b>	<i>Completed</i>
3/19/03	Letter/map hand-delivered by FOCR to Village Manager Paul Harlow and head of Department of Public Works David Mau with request for response by 4/4.
5/26/03	Final request call made by Futurity for response, if any, by 6/4.
7/10/03	No response; case closed.
<b>Golf</b>	<i>Completed</i>
3/19/03	Letter/map hand-delivered by FOCR to Village office (no contact person) with request for response by 4/4.
5/27/03	Final request call made by Futurity for response, if any, by 6/4.
7/10/03	No response; case closed.

<b>Kenilworth</b>	<i>Completed</i>
3/19/03	Letter/map hand delivered by FOCR to Village Manager office with request for response by 4/4.
5/27/03	Final request call made by Futurity for response, if any, by 6/4.
7/10/03	No response; case closed.
<b>Northbrook</b>	<i>Completed</i>
3/19/03	Letter/map hand-delivered by FOCR with request for response by 4/4.
4/18/03	Map received by FOCR; being forwarded to Futurity.
7/24/03	Map received. Paul Kendzior marked parcels that have been developed.
<b>Northfield</b>	<i>Completed</i>
2/19/03	Letter/map hand-delivered by FOCR with request for response by 4/4.
3/16/03	Map received from Anthony Rio. Marked flood problem areas, two areas under development and three already developed areas. Also provided facilities map that indicates a future park and several 'park opportunity' sites.
<b>Skokie</b>	<i>Completed</i>
3/19/03	Letter/map hand-delivered by FOCR to Village Manager Al Rigoni with request for response by 4/4.
5/27/03	Final request call made by Futurity for response, if any, by 6/4.
7/10/03	No response; case closed.
<b>Wilmette</b>	<i>Completed</i>
2/23/03	Letter/map mailed by FOCR to Village.
4/25/03	Map w/ comments delivered to FOCR.
5/20/03	Map being delivered to Futurity.
7/24/03	Map received. Municipality marked parcels that have been developed.
<b>Winnetka</b>	<i>Completed</i>
3/19/03	Letter/map hand-delivered to Village Manager Doug Williams and Director of Community Development Michael D'Inofrio with request for response by 4/4.
5/26/03	Final request call made by Futurity for response, if any, by 6/4.
7/10/03	No response; case closed.
<b>Glenview</b>	<i>Completed</i>
12/4/02	Maps given to FOCR for community meetings.
1/28/03	Printed map of just the Glen area and sent to Robyn Flackne.
2/1/03	Received map from Robyn Flackne for The Glen area. Indicated development plans and marked parcels that have already been developed.
<b>Morton Grove</b>	<i>Completed</i>
5/20/03	A delay here. However, letter/map sent by FOCR requesting response, if any, by 6/4.
7/10/03	No response; case closed.

## APPENDIX B: Results of Biodiversity Fieldwork

(Refer to Microsoft Access database for additional information)



Site Name	Location	Municipality	Visit Date	Current Land Use	Remnant Landscape?
<b>1 DCFS Site</b>	Wood Ave./Brookside Ave. <i>Located directly south of the local DCFS office on Green Bay Road. Formerly grazed/farmed, now over-run with Eurasian grass and weedy brush: buckthorn, gray dogwood, honeysuckle, ninebark, boxelder, etc. Dumping at north side of site. A few relic oaks persist on east side of site; most topography still intact.</i>	Waukegan	1/16/03	Vacant Residential	Yes
<b>2 Gurnee Wetlands</b>	Monroe St./Lawrence Ave. <i>An interesting wetland complex at the bottom of the river valley. The vegetation is highly degraded throughout this site, probably from extensive past grazing which undoubtedly extirpated virtually all native ground layer plants. Today buckthorn, boxelder, cottonwood, silver maple and other weedy successional lowland trees dominate the area. Ground-layer consists of Eurasian grasses, goldenrod, and asters — where not totally shaded out by buckthorn.</i> <i>Housing continues to impinge on this area. Nevertheless it remains the northernmost stretch of the North Branch system in its original condition, being only 100 yards or so from the watershed boundary. Amazingly, there is no evidence of filling or ditching. While the vegetation is degraded, the land itself remains intact. This is an important piece of land.</i> <i>Area platted with streets but none installed.</i>	Gurnee	1/16/03	Num. Vacant. Res.	Yes Lots & Street ROW
<b>3 Waukegan Connector</b>	DD Ave./Washington St., directly south of Briar Ave. <i>Another unfilled parcel, the vegetation however equally degraded as Site # 2. Uplands dominated by Eurasian grasses and weedy trees; wetland meadows heavily impacted by phragmites.</i>	Waukegan	1/16/03	Vacant commercial	Yes
<b>4 Park City Racetrack</b>	Washington St./Howard Ave. <i>This entire property has been filled in the past. It was once the site of a racetrack and may have contaminant problems. The site has been recently cleared of all weedy brush and trees, apparently to discourage hooliganism and illegal dumping. The ground-layer consists of weedy Eurasian grasses.</i>	Park City	1/16/03	Vacant Residential/ Commercial	No
<b>5 Lakeland Site</b>	Washington Rd./Howard Ave. <i>This property is surrounded by a berm and appears to have been recently cleared or cleaned up. It supports only a very weedy Eurasian groundcover. The entire property has been filled with rubble and dirt in the past.</i>	Gurnee	1/16/03	Vacant Commercial	No
<b>6 K-Mart Site</b>	NW Corner, Belvidere St./Green Bay Rd. <i>A large and interesting property, vegetationally-degraded for the most part but still having its landforms largely intact. The west side is a large wetland, undoubtedly partly filled in the past by what is now Park City to the west. An upland ridge supports a small savanna remnant. Past grazing and farming practices have left the uplands dominated by Eurasian and weedy native ground layer plants, now being over-run by buckthorn. The wetland edges and adjacent wet meadows are dominated by cattails, reed canary grass, and dense stands of young cottonwood, aspen, and boxelder. Because of its size and diverse landforms this site has good potential. The entire site is already heavily used by hikers and dirt bikes as evidenced by a network of paths. Area is platted with streets but none have been installed.</i>	Waukegan	1/17/03	Vacant Residential	Yes
<b>7 EJ &amp; E Railroad Site</b>	E. Side of Rte. 41, north and south of EJ&E RR. <i>Remnant savanna and wetland complex, all highly degraded. The site is bisected by an elevated railway grade. A former motel, now much in decline, sits on part of the site. The northern section is dominated by buckthorn and second growth elm, boxelder, green ash, and cottonwood. A few bur oaks persist on the highest points, and there are remnants of wire fencing, suggesting grazing in the past.</i> <i>The southern half supports a large bur oak grove, recently cleared on buckthorn and other weedy trees which are now re-sprouting vigorously. This parcel is currently under discussion for annexation and development that would result in removal of virtually all trees.</i>		1/17/03	Vacant Commercial	Yes
<b>8 22nd St. Homesites</b>	22nd. Place/24th St./Meadow Lane/Northern Ave. <i>Vacant land heavily impacted by filling, grading, dumping, and off-road vehicle use. Native ground-layer long ago extirpated; area now dominated by Eurasian grasses, buckthorn, and weedy second growth trees such as elm and green ash. A few scattered small wetlands. Most streets platted but not built.</i>	North Chicago	1/17/03	Vacant Residential	No

Site Name	Location	Municipality	Visit Date	Current Land Use	Remnant Landscape?
<b>9 Gillette Property</b>	SE Corner, Pulaski Drive/ Rte. 41.	North Chicago	1/17/03	Vacant Commercial	Yes
<p><i>Limited site access due to gate and guard. Former route of Skokie River, now apparently underground in a pipe. Parcel consists of mowed pasture, cropland, and a block of remnant savanna.</i></p> <p><i>The Forest Preserve District sought to buy this property in the late 1970s.</i></p>					
<b>10 Wrigley/Abbott Property</b>	E/W side of Waukegan Rd. south of 22nd. St.	Unincorporated	1/17/03	Vacant	Yes
<p><i>An extraordinary parcel, the section west of Waukegan Road undoubtedly the finest remaining unprotected open space in the entire North Branch system. While all currently owned by Abbott Laboratories, the western section is still known as the "Wrigley Tract" due to its former owner, the Wrigley Company.</i></p> <p><i>This site visit, upon random entrance to the western parcel just south of 22nd. St., immediately found a relic prairie full of gentians. The site harbors the only un-ditched section of the North Branch (bypassed in ditching operations in the 1930's), a variety of wetlands, remnant prairies and large savannas. T/E species have been found on this site.</i></p> <p><i>The eastern half also harbors remnant savanna and prairie although Abbott has put much of the land back into row crops in the last decade.</i></p>					
<b>11 IDOT Wetlands</b>	South side of Rte 137, between Route 41, and Waukegan Road.	North Chicago	1/17/03	Vacant	Yes
<p><i>Another extraordinary property consisting of a large wetland complex, sedge meadows, and remnant prairie. Due to its wet and poorly drained soils this site was probably never farmed but rather devoted to minimal grazing. This is evident today in the remnant prairies that also show signs of Eurasian grass invasion.</i></p> <p><i>Unfortunately the parcel has been neglected for decades and its uplands are now extensively over-run with buckthorn.</i></p> <p><i>IDOT purchased these lands years ago for the future relocation of Route 41 from its now heavily built-up corridor. This has undoubtedly protected these lands from being converted to other uses, but the lack of any conservation management has had serious impact.</i></p> <p><i>The s</i></p> <p><i>since the landscape is homogenous throughout.</i></p> <p><i>Were this site cleared of weedy brush and properly managed, the remnant prairies would recover rapidly.</i></p>					
<b>12 Regency Woods Site</b>	O'Plaine Rd./Regency Drive.	Waukegan	1/18/03	Developed Residential	No
<p><i>This is a recent up-scale subdivision in a former large woodland. Little of interest remains except some wetlands along the east side of the property left in conservancy/detention. Efforts appear to have been made to replant prairie but there is little evidence of active, ongoing management. The wetlands are choked with loosestrife and the small lowland woods remnant crowded with buckthorn, green ash, and other weedy species.</i></p>					
<b>13 None</b>	O'Plaine Rd. just north of Regency Woods		1/18/03	Residential	No
<p><i>Part of the land suggested for review along with Regency Woods. Apparently under development.</i></p>					
<b>14 Town and Country Outlots</b>	East side of I-94 @ intersection with O'Plaine Road overpass, extending east to UPRR tracks and south to Rte. 137.	Waukegan	1/18/03	Vacant, mostly protected by deed restrictions	Yes
<p><i>These parcels comprise the very upper reaches of the Middle Fork of the North Branch, and are extensively covered with wetlands and floodplain. All have been developed in the last five years with various forms of housing erected on all the buildable land. These subdivisions placed the remaining unbuildable land (about 70-80% of the sites) into local homeowner's associations, which provide no land management. This is regrettable because the parcels have extensive wetlands and remnant prairie on them, much of which is in good condition. Small savanna groves are scattered throughout. T/E species have been found here.</i></p> <p><i>The high survival rate of these landscapes can be attributed to minimal past agricultural disturbance because of poor drainage and soil quality.</i></p>					

Site Name	Location	Municipality	Visit Date	Current Land Use	Remnant Landscape?
<b>15 Saddle Hill Outlots</b>	Cranbrook Rd./Kenton Ln.	Green Oaks	1/18/03	Vacant deed-restricted outlots	No
<p><i>Large, highly degraded area of floodplain and wetlands. Some minor attempts at prairie planting along the public path; otherwise the landscape is a sea of reed canary grass, buckthorn, and weedy second-growth trees such as green ash, elm, boxelder, and cottonwood.</i></p> <p><i>Subdivision to the south is more recent but the wetland/floodplain outlots there are of similar low quality.</i></p>					
<b>16 Florsheim/Jarnowsky Site</b>	E/W sides of Old Mill Rd. between Rte. 22 and I-94.	Lincolnshire	1/19/03	Vacant residential	Yes
<p><i>These parcels are an excellent example of too little too late in terms of land protection. They are directly south of Florsheim Woods, the site of T/E species and an INPC candidate. They share much of the floristic and landscape qualities of Florsheim Woods: excellent savanna, prairie, and sedge meadow remnants interspersed with wetlands. The Jarnowsky property, north of Old Mill Rd., is particularly impressive. Much of the Florsheim property has been mowed or grazed but still maintains an excellent structure of savanna groves and wetland pockets.</i></p> <p><i>Unfortunately both properties are scheduled for development. Apparently there ar y property subdivision is currently in lengthy negotiations with Lincolnshire.</i></p>					
<b>17 None</b>	W. Side of Saunders Rd. just south of Duffy Lane.	Riverwoods	1/19/03	Residential	No
<p><i>Site appears to be under development. Access not possible, but property appears to be covered with dense, weedy second growth.</i></p>					
<b>18 Trinity College Site</b>	N. side of Duffy Lane just east of I-94.	Bannockburn	1/19/03	Vacant — Campus/ Detention	No
<p><i>An extraordinary site in that it is home to the largest and most dense teasel colony the visitor will ever see! Highly degraded throughout except for a small section of woods to the east, where some land management work has occurred. Part of the site is also a detention basin and sports fields.</i></p>					
<b>19 Hall Site</b>	East side of Telegraph Road, just north of Village Hall.	Bannockburn	1/19/03	Vacant Residential	No
<p><i>Highly degraded former farm and pastureland. A pond has been dug in the center and extensive grading done. Entire site is over-run with buckthorn and other weedy second growth species.</i></p> <p><i>Apparently a subdivision plan has been prepared for this parcel, but not yet presented to Bannockburn or recorded.</i></p>					
<b>20 Deerfield/Lake-Cook Site</b>	N. Side Lake-Cook Rd, just east of Forest Way.	Deerfield	1/21/03	Park	No
<p><i>Narrow bands of land both sides of reconfigured ditch.</i></p>					
<b>21 Zion Lutheran Church Site</b>	N. side of Deerfield Rd., just east of Heather Rd.	Deerfield	1/21/03	Religious Institution	No
<p><i>Small area of open floodplain adjacent to Middle Fork. Largely open with weedy brush and trees.</i></p>					
<b>22 Berkeley Prairie</b>	Ridge/Berkeley Rds.	Highland Park	1/10/02	Forest Preserve	Yes
<p><i>Well-known local prairie purchased by Lake County F.P.D. in the early 1970s. Under active management.</i></p>					
<b>23 Byerly's/Dominicks</b>	E. side of Rte. 41, just south of West Park Avenue.	Highland Park	1/10/03	Commercial	No
<p><i>Detention basin constructed about a decade ago covers this entire site. Establishment of a native prairie and wetland edge has been largely unsuccessful.</i></p>					
<b>24 Rte. 22 Forest Preserve</b>	SE corner, Rtes. 22 and 41.	Highland Park	1/12/02	Open Space	Yes
<p><i>This is a site of some ecological significance. It was purchased by the City of Highland Park and the Lake County Forest Preserve District several years ago, and is now permanently protected. There has been no landscape restoration to date.</i></p>					

Site Name	Location	Municipality	Visit Date	Current Land Use	Remnant Landscape?
<b>25 Deerfield High School Site</b>	East side of Deerfield High School, Waukegan Rd. just north of North Ave.	Deerfield	1/7/03	Open Space	No
<i>Largely filled, graded and ditched when high school was constructed. Now predominantly playfields. Site of 319 restoration grant work several years ago.</i>					
<b>26 Everett Farm Nature Preserve</b>	James St. on east side of Telegraph Rd., north of Rte. 22.	Lake Forest	1/10/03	Open Space	Yes
<i>Purchased by Lake Forest Open Lands in 1997 and under active restoration. A mix of flatwoods, wetlands, and wet prairie.</i>					
<b>27</b>	Old Mill Rd./Oak Knoll Dr.	Lake Forest	1/7/03	Residential	No
<i>Developed.</i>					
<b>28 Grainger Site</b>	NE corner, Everett/Riverwoods Rd.	Mettawa	1/4/03	Vacant Residential	No
<i>Former agriculture fields and borrow pit created during construction of I-94 in 1957. Consists of abandoned old field grasses and weedy brush and trees. Has merit as being the headwaters of the West Fork.</i>					
<b>29 Conway Farm Site</b>	Conway Farm Rd. north of Everett Rd.		12/27/03	Residential	No
<i>Developed.</i>					
<b>30 Lake Forest Compost Center Site</b>	S. side of Rte. 60, west of Waukegan Rd. and just east of UPRR (Metra) tracks		1/4/03	Municipal Open Space	No
<i>Parts of this site, which straddles the Middle Fork, is used as a city recycling center and composting operation. Surrounding these land uses is an extremely degraded wetland, partly filled many years ago, a low-grade savanna, and floodplain densely overgrown with boxelder and buckthorn. Site has potential for restoration, particularly given its adjacency to the river itself.</i>					
<b>31 Middlefork Savanna</b>	Directly west of Middlefork Drive.	Lake Forest	11/27/02	Open Space	Yes
<i>Part of the Middlefork Savanna Forest Preserve.</i>					
<b>32 Middlefork Savanna</b>	North of Lake Forest Tollway Oasis and east of I-94.	Mettawa	11/27/03	Open Space	Yes
<i>Excellent high-quality complex of wetlands and prairie similar to IDOT parcels south of Rte. 137. Recently purchased by the Lake County Forest Preserve District, and already cleared of weedy brush and trees. Efforts are underway to preserve a large part of a similar parcel directly to the south as well.</i>					
<b>33 Luck Lake Site</b>	East of point where Bradley Road crosses over I-94.	Unincorporated	12/27/02	Residential	No
<i>Subdivided and for sale; partly developed.</i>					
<b>34 Middlefork Savanna</b>	General area adjacent to SW corner of Knollwood Club.	Lake Forest	11/13/02	Open Space	Yes
<i>Highly degraded wetland/wet meadow complex along Middle Fork. Purchased by Lake County Forest Preserve District and scheduled for restoration as part of its overall care of the Middlefork Savanna Forest Preserve.</i>					
<b>35 Mariani Site</b>		Lake Bluff	9/4/02	Commercial	No
<i>At one time wetlands and sedge meadow but filled years ago as a storage yard for a nursery operation.</i>					



## APPENDIX C: Open Space Prioritization Criteria

The following table lists prioritization criteria as worded and adopted by the planning committee and the criteria as used in the GIS. Some criteria cannot be evaluated at this time due to incomplete or inconsistent GIS data while others were generally applied during the design of the greenway. Definitions for key terms (in bold) are included after the table.

Prioritization Criteria Developed by Planning Committee	Associated GIS Analysis	Notes
Size of open space area (parcel adjacent to other undeveloped land).	Merge contiguous parcels of common ownership.	<i>The planning committee requested that this criterion be used to complete the prioritization, however there were inconsistencies in the assessor records (ownership information) that made it difficult to accurately complete this analysis. GIS analysis was not completed</i>
Size of parcel.	(not evaluated)	<i>Size of open space areas was evaluated manually during the development of management recommendations and greenway/trail design. The size of an individual parcel is not as important as its relationship to other adjacent open space parcels in aggregate.</i>
Shape of open space parcel.	(not evaluated)	<i>Parcel shape is a factor when the parcel is large enough to provide core habitat for area sensitive species such as grassland or woodland birds. Given the size of open space parcels in the study area, the aggregate shape of contiguous parcels is likely to be more important. Information regarding vegetation communities or species occurrence was not been collected for this project; therefore aggregations were not specifically evaluated as possible habitat. Therefore this was not evaluated.</i>
Adjacent to Forest Preserve.	Select parcels intersecting with or adjacent to forest preserves, land trusts and township open space.	<i>Data available, prioritization completed.</i>
Parcel designated for future development by community.	(not evaluated)	<i>Accurate projected land development information was not readily available.</i>
In an area projected to develop rapidly.	(not completed)	<i>Data unavailable or incomplete. No reliable predictor for land development.</i>
In an area underserved by existing open space.	(not evaluated)	<i>Prioritization not completed due to time constraints. Existing community open space was mapped and is included as an overlay in the municipal map series section of the action plan.</i>
Connects existing open space areas.	(not evaluated)	<i>This criterion was not used for the prioritization because the complex GIS analysis required exceeded the scope of the project. Instead, "connectivity" was subjectively evaluated during the greenway and trail design process. Additionally, parcels adjacent to existing open space received points in the prioritization because of "intersecting with or adjacent to" criteria.</i>
In floodplain.	Select parcels intersecting with floodplain.	<i>Data available, prioritization completed.</i>
In <b>floodway</b> .	(not completed)	<i>Data unavailable or incomplete.</i>
<b>Floodway:</b> The channel of a river or other watercourse and adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than one foot (Source: The National Flood Insurance Program).		
Includes a wetland.	Select parcels intersecting with wetlands.	<i>Data available, prioritization completed.</i>
Minimum 10-acre parcel that includes drained <b>hydric soils</b> (wetland estoration potential) (or minimum % of drained hydric soils if feasible — 50%).	Select parcels intersecting with drained hydric soils (at least 10 acres and 50% drained hydric soils).	<i>Data available, prioritization completed.</i>
<b>Hydric Soil:</b> A soil that formed under conditions of saturation, flooding or ponding long enough during the growing season to develop anaerobic conditions in the upper part.		

Prioritization Criteria Developed by Planning Committee	Associated GIS Analysis	Notes
In a subwatershed where less than 10% of the subwatershed area is existing wetlands.	Select parcels in subwatershed less than 10% in wetlands.	<p><i>This criterion was adopted from the site selection methodology developed by Hey and Associates, Inc. for the Lake County Stormwater Management Commission Des Plaines River Wetland Restoration Study. * In that study, Hey states that "expanding the wetland area in sub-basins that have less than a ten percent ratio of wetlands to total watershed area could be beneficial for reducing flood volume and rate."</i></p> <p><i>* Lake County Stormwater Management Commission Des Plaines River Wetland Restoration Study, Hey and Associates, Inc. Engineering Consultant, November, 2000, revised February, 2001.</i></p> <p><i>Data available, prioritization completed.</i></p>
Within 1-mile radius of a known flood problem area.	Select parcels within 0.5-mile radius of <b>Flood Problem Area</b> .	<p><i>Radius" was used instead of "upstream" because elevation data is not available. The search distance was also reduced from 1.0- to 0.5- mile radius to more effectively identify parcels with flood management potential. The criterion was changed from "SMC Flood Problem Area" to "Flood Problem Area" so that it is applicable to both Lake and Cook counties.</i></p> <p><i>Data available, prioritization completed.</i></p>
<p><b>Flood Problem Area (FPA):</b> A "flood problem area" (as defined by SMC) is composed of one or more structures in a geographical area that are damaged by the same primary source/cause of flooding. Common sources/causes of flood damage include overbank flooding; a local drainage system that has insufficient capacity; location in a depressional area in the landscape; or sanitary sewer backup.</p> <p>FPA's have not been mapped on a county-wide basis for Cook County, Illinois. Additionally, none of the communities in the Cook County portion of the North Branch watershed supplied the project team with this information.</p>		
In a depressional area.	(not completed)	<i>Data unavailable or incomplete.</i>
<p><b>Depressional Area:</b> Any area which is lower in elevation on all sides than surrounding properties (i.e., does not drain freely). A depressional area will fill with water on occasion when runoff into it exceeds the rate of infiltration into underlying soil. Large depressional areas may provide significant stormwater or floodplain storage. (Source: Lake in the Hills, IL)</p>		
Adjacent to a watercourse or wetland (streambank restoration, riparian or wetland buffer potential, or potential BMP site).	Select parcels within 100 feet of a watercourse.	<p><i>This criterion was changed from "adjacent to a watercourse" to "within 100 feet of a watercourse" to facilitate GIS analysis.</i></p> <p><i>Data available, prioritization completed.</i></p>
Adjacent to a non-point source pollution hotspot.	Select parcels intersecting with <b>non-point pollutant loading hotspot stormsewershed</b> .	<p><i>The planning committee concluded that open space parcels could be managed to reduce storm water runoff and treat non-point source pollutants.</i></p> <p><i>Data available, prioritization completed.</i></p>
<p><b>Non-Point Pollutant Loading Hotspot Stormsewershed:</b> A watershed sub-basin called a stormsewershed (based on stormsewer systems) likely to be contributing the highest non-point source pollution loads. These areas were identified through a procedure developed by NIPC. NIPC's model estimates pollution loading based on land use and annual surface runoff. (Source: Watershed Plan)</p>		
Includes or is adjacent to a pollution point source (NPDES permit site).	Select parcels intersecting with or adjacent to an <b>NPDES</b> permitted point source.	<p><i>The planning committee concluded that open space parcels could be used to treat point source discharges.</i></p> <p><i>Data available, prioritization completed.</i></p>
<p><b>NPDES:</b> National Pollutant Discharge Elimination System: Permitting program that regulates the discharge of pollutants into navigable waters from "point sources", which is defined as any discernable, confined or discrete conveyance, such as a pipe from an industrial site or sanitary treatment plant.</p>		
In <b>groundwater (aquifer) recharge area</b>	(not completed)	<i>Data unavailable or incomplete.</i>
<p><b>Groundwater Recharge Area:</b> An area which by nature of surface soil and underlying rock type is particularly important for allowing surface water to percolate to underground storage. (hyperdictionary.com)</p>		

Prioritization Criteria Developed by Planning Committee	Associated GIS Analysis	Notes
Adjacent to or includes a high quality wetland ( <b>ADID</b> ).	Select parcels adjacent to or intersecting with high quality wetland ADID.	<i>ADID inventory has only been completed for Lake County; this criterion was only applied to the Lake County portion of the watershed.</i>
<b>Advanced Identification (ADID):</b> The ADID process involves collecting and distributing information on the values and functions of wetland areas. USEPA conducts the process in cooperation with the USACOE and in consultation with States or Tribes. Local communities can use this information to help them better understand the values and functions of wetlands in their areas. It also serves as a preliminary indication of factors likely to be considered during review of a Section 404 permit application. (Source: USEPA)		
Within 0.5 miles of headwaters.	Select parcels within 0.5 miles of headwaters.	<i>Research by the non-profit organization American Rivers has documented the importance of headwater streams and wetlands to water quality and species habitat (<a href="http://www.amrivers.org">www.amrivers.org</a>). Ohio Environmental Protection Agency has implemented a "Headwater Habitat Initiative" to protect primary headwater streams. Fieldwork completed by the project team identified a sensitive and intermittent pocket wetland in the headwater area (<a href="http://www.epa.state.oh.us/dsw/wqs/headwaters/index.html">http://www.epa.state.oh.us/dsw/wqs/headwaters/index.html</a>). The Center for Watershed Protection also recommends protecting critical headwater reaches (including intermittent streams and unconnected wetlands) (<a href="http://www.cwp.org">www.cwp.org</a>).</i>  <i>The 0.50 mile buffer distance was determined by the project team, taking into consideration the hydrologic or drainage characteristics of the stream systems.</i>  <i>Data available, prioritization completed.</i>
Adjacent to or includes a high quality natural community (INAI/ INPC sites or other source of study results).	Select parcels adjacent to or intersecting with an Illinois Natural Areas Inventory site or an Illinois Nature Preserve.	<i>Data available, prioritization completed.</i>
Adjacent to or includes threatened or endangered species habitat (as indicator of high biodiversity).	Select parcels adjacent to or intersecting with a threatened or endangered species site.	<i>Data available, prioritization completed.</i>
Traversed by, adjacent to, or within 0.25 mile of a NIPC-designated greenway.	Select parcels traversed by, adjacent to, or within 0.25 miles of existing NIPC greenway.	<i>NIPC "greenways" include rivers; therefore this criterion is redundant with the criterion "Select parcels within 100 feet of a watercourse" and will not be used.</i>
Traversed by, adjacent to, or within 0.25 mile of a NIPC-designated or community trail.	Select parcels traversed by, adjacent to, or within 0.25 miles of an existing NIPC trail.	<i>Data available, prioritization completed.</i>
Identified as an open space need by a watershed community.	(not completed)	<i>Parcels designated for protection as open space by a community were assigned a priority value regardless of the value received during the GIS prioritization.</i>
Includes archeological site, historic building or cultural site.	Select parcels intersecting with an archaeological site.	<i>Locations of historic building and cultural sites were not available so this criterion was limited to evaluating only archeological sites. Archeological data (Archeological Resource Potential in Illinois by County) used for this study depicts areas by county believed to possess a high archaeological potential. It was developed by the Illinois State Museum and is intended for coarse regional analysis. The nominal map scale is 1:500,000 with a positional National Map Accuracy Standard value of 832 feet.</i>
Adjacent to or within 0.5 mile of a school.	(not completed)	<i>Data unavailable or incomplete (could not differentiate school buildings from other school district lands).</i>
Adjacent to an existing public facility.	(not completed)	<i>Data unavailable or incomplete (public facilities could not be identified).</i>

## APPENDIX D: Datasets and Sources

GIS Shapefiles Altered or Created for Project Completion	Based On
Cook 100-year floodplain	FEMA DFIRMS (Lake Co. Map Services provided)
Cook designated open space (open parcels only)	Parcels (CC Assessor)
Cook designated open space (partially open parcels only)	Parcels (CC Assessor)
Cook drained hydric soils	Soils (LCSMC provided)
Cook land trusts	Parcels (CC Assessor)
Cook NIPC existing trails only	NIPC trails
Cook NPDES sites	Newly created
Cook open parcels (with prioritization fields)*	Parcels (CC Assessor)
Cook parcels with remnant landscapes	Parcels (CC Assessor)
Cook partially open parcels (with prioritization fields)*	Parcels (CC Assessor)
Cook planning areas	Municipalities (LCSMC provided)
Cook proposed trails	Newly created
Cook river access points	Newly created
Cook stormsewersheds considered NPSP hotspots	Stormsewersheds (LCSMC provided)
Cook updated T&E locations	T&E, Biodiversity mtg.
Cook water trail	NIPC
Lake parcels designated by community as priority for protection	LCGIS parcels
Lake designated open space (open parcels only)	LCGIS parcels
Lake designated open space (partially open parcels only)	LCGIS parcels
Lake drained hydric soils	LCGIS soils
Lake and Cook field work sites	LCGIS parcels/CC Assessor parcels
Lake land trusts	LCGIS parcels
Lake NIPC existing trails only	NIPC trails
Lake North Branch headwaters	Newly created
Lake NPDES sites	Newly created
Lake open parcels (with prioritization fields)*	LCGIS parcels
Lake parcels with remnant landscapes	LCGIS parcels
Lake partially open parcels (with prioritization fields)*	LCGIS parcels
Lake proposed trails	Newly created
Lake stormsewersheds considered NPSP hotspots	Stormsewersheds (LCSMC provided)
Lake unknown owner parcels	LCGIS parcels
Lake updated nature preserves (added Middlefork)	Nature preserves (LCGIS/LCSMC provided)
Lake updated T&E locations	T&E, Biodiversity mtg. (IDNR)
GIS Shapefiles Received	Provided by
Cook 1990 NIPC land use	NIPC

<b>GIS Shapefiles Altered or Created for Project Completion</b>	<b>Based On</b>
Cook 1995 NIPC land use	LCGIS
Cook archaeological areas	IL State Museum
Cook county boundary	ESRI
Cook DFIRMS	FEMA
Cook forest preserves	LCSMC Watershed Plan
Cook hydric soils	LCSMC Watershed Plan
Cook INAI	LCSMC Watershed Plan
Cook municipalities	LCSMC Watershed Plan
Cook nature preserves	LCSMC Watershed Plan
Cook NIPC greenways	NIPC
Cook NIPC rivers	NIPC
Cook NIPC roads	NIPC
Cook NIPC trails	NIPC
Cook roads	LCSMC Watershed Plan
Cook soils	LCSMC Watershed Plan
Cook stormsewersheds	LCSMC Watershed Plan
Cook streams	LCSMC Watershed Plan
Cook subwatersheds	LCSMC Watershed Plan
Cook T&E sites	IDNR and Biodiversity Mtg.
Cook watershed boundary	LCSMC Watershed Plan
Cook subwatershed boundaries	LCSMC Watershed Plan
Cook wetlands	LCSMC Watershed Plan
Lake 100-year floodplain	FEMA
Lake 1990 NIPC land use	NIPC
Lake 1995 NIPC land use	LCGIS
Lake ADID wetlands	LCGIS
Lake archaeological areas	IL State Museum
Lake county boundary	LCGIS
Lake flood problem areas	SMC
Lake forest preserves	LCGIS
Lake hydric soils	LCGIS
Lake INAI	IDNR
Lake major roads	LCGIS
Lake major water	LCGIS
Lake nature preserves	IDNR
Lake NIPC greenways	NIPC
Lake roads	NCGIS

<b>GIS Shapefiles Altered or Created for Project Completion</b>	<b>Based On</b>
Lake NIPC trails	NIPC
Lake planning areas	LCSMC
Lake stormsewersheds	LCSMC
Lake streams	LCGIS/LCSMC
Lake T&E	IDNR
Lake watercourse	Streams (LCGIS/LCSMC provided)
Lake watershed boundary	LCGIS
Lake subwatershed boundaries	LCGIS
Lake wetlands	LCGIS
LCDOT trails	LCDOT
Lincolnshire Trails	Village of Lincolnshire
Middlefork nature preserves	LCFPD
Stream re-route in Deerfield	Village of Deerfield
Municipal parks	LCSMC
Regional counties	ESRI
Regional states	ESRI

\*These shapefiles contain the bulk of the information cultivated through the project. The attribute fields include:

Potential open space rating  
 Recalculated acres  
 Original owner and location information from the Assessor's office  
 Owner type information  
 Public/private owner status  
 Protected/unprotected status  
 Active/passive recreational use (if applicable)  
 Prioritization (individual criteria and totaling fields)  
 Greenway status  
 Parcel with recommendation to protect (outside the greenway)